

A METHOD AND DEVICE FOR REPAIRING A TIRE

ABSTRACT OF THE DISCLOSURE

A repair device can repair a puncture in a normally pressurized vehicle tire. The device has a dispenser with dual barrels containing a pair of separate constituents adapted to form a cement that can adhere to the vehicle tire. A static mixer can be mounted on the dispenser for receiving and mixing the pair of constituents to form the cement. An injection tube mounted on the static mixer is sized to fit into the puncture. A pair of piston heads slidably fitted in the dual barrels can push the pair of constituents through the static mixer to form the cement for injection from outside the tire, through the injection tube, and into the puncture to reach inside the tire. After removing the injection tube, the cement that was injected is allowed to set at least partially before using the tire.